

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB05382-T - Goat Anti-ADAM17 / TACE Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** ADAM17, TACE, a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme), CSVP, cSVP, CD156b, CD156b, MGC71942, TACE, cSVPADAM metalloproteinase domain 17, TNF-alpha converting enzyme, a disintegrin and metalloproteinase domain 17, a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme), snake venom-like protease, ADAM metalloproteinase domain 17, ADAM18, CD156B, ADAM metalloproteinase domain 18, snake venom-like protease, tumor necrosis factor, alpha, converting enzyme

**Official Symbol:** ADAM17

**Accession Number(s):** NP\_003174.3

**Human GeneID(s):** [6868](#)

**Non-Human GeneID(s):** 11491 (mouse)

**Important Comments:** This antibody is expected to recognise isoform 1 (represented by NP\_003174.3) and not isoform 2 (represented by NP\_068604).

### Immunogen

Peptide with sequence LQRQNRVDSKETEC, from the C Terminus of the protein sequence according to NP\_003174.3.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:128000.

**Western blot:** Approx 100kDa band observed in Human Testis lysates and approx 125kDa in lysates of cell lines Daudi, HeLa and Jurkat (calculated MW of 93.0kDa according to NP\_003174.3). The observed molecular weights correspond to earlier findings in literature with different antibodies (Le Gall et al, J Cell Sci. 2010 Nov 15;123(Pt22):3913-22; PMID: 20980382). Recommended concentration: 0.1-0.3µg/ml. Primary incubated for 1 hour. Preliminary testing was unsuccessful on Mouse and Rat for this particular batch.

**IHC:** Paraffin embedded Human Skin and Thyroid. Recommended concentration: 3.75µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat

EB05382 staining (0.2µg/ml) of Human Testis lysate (RIPA buffer, 35µg total protein per lane). Detected by chemiluminescence.

EB05382 staining (0.3µg/ml) of Daudi (A), Jurkat (B) and HeLa (C) lysates (35µg total protein in RIPA buffer). Detected by chemiluminescence.

EB05382 (3.75µg/ml) staining of paraffin embedded Human Skin. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB05382 (3.75µg/ml) staining of paraffin embedded Human Thyroid. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.